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## **EUROPEAN PATENT APPLICATION**

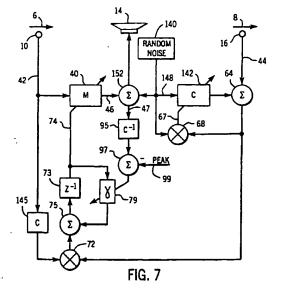
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- (30) Priority: 21.08.1995 US 517464
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- (54) Active adaptive selective control system
- (57) An active adaptive control system introduces a control signal from an output transducer (14) to combine with the system input signal (6) and yield a system output signal (8). An error transducer (16) senses the system output signal and provides an error signal (44). An adaptive filter model (40) has a model input from a reference signal (42) correlated to the system input signal, and an output outputting a correction signal (46) to the

output transducer to introduce the control signal. Performance of the model is selectively controlled to control the signal sent to the output transducer. Various monitoring and control methods are provided, including spectral leak signal monitoring and control, correction signal monitoring and control, frequency responsive spectral transfer function processing of the leak signal and/or the correction signal, reference signal processing, and fuzzy logic control.





## **EUROPEAN SEARCH REPORT**

EP 96 30 6121

		PERED TO BE RELEVANT	T	<del> </del>
Category	Citation of document with of relevant pas	indication, where appropriate, sages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.5)
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X	EP 0 340 974 A (NEL 8 November 1989 * column 2-4 *	SON IND INC)	1	
x	EP 0 517 525 A (MAT LTD) 9 December 199 * page 5, line 9 - * figures 1,9 *		1	
ļ	906-911, XP00037152 INSTITUTE OF ELECTR ENGINEERS * page 906 *	NG FUZZY LOGIC" INTERNATIONAL SYSTEMS, SAN - APR. 1, 1993, 2, 28 March 1993, pages 8 ICAL AND ELECTRONICS  nd column - page 909,	43	TECHNICAL FIELDS SEARCHED (Int.CI.6)
A	EP 0 471 290 A (HUG 19 February 1992 * column 9, line 22 * figure 4 *	HES AIRCRAFT CO) - column 10, line 22 *	<b>54</b> ,55 3	
	The present search report has t	peen drawn up for all claims		
Place of search Date of completion of the search		Date of completion of the search		Examiner
	THE HAGUE	22 October 1998	Cast	agné, 0
X : partic Y : partic docus A : techn O : non-t	LITEGORY OF CITED DOCUMENTS cutarly relevant if taken alone cutarly relevant if combined with anoti ment of the same category tological background written disclosure mediate document	underlying the in iment, but publish the application other reasons	ned on, or	

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## **EUROPEAN SEARCH REPORT**

Application Number EP 96 30 6121

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A	US 5 018 202 A (TAK 21 May 1991 * figure 7 *	AHASHI MINORU ET AL)	to claim	APPLICATION (INLCLIS)
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				TECHNICAL FIELDS SEARCHED (Int.CI.6)
	The present search report has b	een drawn up for all claims	1	
	Place of search	Date of completion of the search	<del>-                                    </del>	Examiner
	THE HAGUE	22 October 1998	Cast	agné, O
X : partic	NTEGORY OF CITED DOCUMENTS cularly relevant if taken alone cularly relevant if combined with anoth ment of the same category	T ; theory or principl E : earlier patent do after the fiting da er D : document cited t L : document cited t	cument, but publist le in the application	